

## Claims

[c1] A compensation contract supporting system that supports a compensation contract which provides a customer compensation for a profit risk created by a plurality of risk factors that influence a profit of said customer, comprising:  
a database for storing statistical data of said plurality of risk factors;  
a first probability calculation unit for calculating a probability, in which a part of said plurality of said risk factors satisfy a predetermined first condition ,and a probability, in which remaining said plurality of said risk factors satisfy a predetermined second condition ,using said database, and at least one of said first condition and said second condition being an non-financial condition that is not related to a financial product; and  
a ratio calculation unit for calculating a ratio between a first compensation amount to be paid or received by said customer when said part of said risk factors satisfy said first condition and a second compensation amount to be paid or received by said customer when said remaining risk factors satisfy said second condition using said probability calculated by said first probability calculation unit.

[c2] A compensation contract supporting system as claimed in claim 1, wherein said first compensation amount is an amount to be paid to said customer when said part of said risk factors satisfy said first condition, and said second compensation amount is an amount to be received from said customer when said remaining risk factors satisfy said second condition.

[c3] A compensation contract supporting system as claimed in claim 1, further comprising:  
a correlation calculation unit for calculating a correlation among said plurality of risk factors based on said statistical data read out from said database; wherein:  
said ratio calculation unit calculates a ratio between said first compensation amount and said second compensation amount using said probability calculated by said first probability calculation unit and said correlation calculated by said correlation calculation unit.

[c4] A compensation contract supporting system as claimed in claim 1, further

comprising:

a second probability calculation unit for calculating a probability in which said first condition, which is to be a base for calculating said first compensation amount, and said second condition, which is to be a base for calculating said second compensation amount, are satisfied at the same time; wherein: said ratio calculation unit calculates said ratio further using said probability calculated by said second probability calculation unit.

[c5] A compensation contract supporting system as claimed in claim 1, further comprising:

an amount acquiring unit for acquiring any two of said first compensation amount, said second compensation amount, and a prepaid amount, which are requested by said customer, said prepaid amount being an amount to be previously received from said customer or to be previously paid to said customer to cover a difference between a risk created by said first compensation amount and a risk created by said second compensation amount; and

an amount calculation unit for calculating remaining one of said first compensation amount, said second compensation amount, and said prepaid amount using said any two of said first compensation amount, said second compensation amount, and said prepaid amount acquired by said amount acquiring unit, and said ratio calculated by said ratio calculation unit.

[c6] A compensation contract supporting system as claimed in claim 1, further comprising:

a contract database for storing data related to said compensation, which is provided to said customer by the compensation contract supporting system; and

a risk calculation unit for calculating a payment-amount-risk involved in a contract, which is concluded via said compensation contract supporting system, using a present value of said risk factors and said contract database.

[c7] A compensation contract supporting system as claimed in claim 1, further comprising:

a contract database for storing data related to said compensation, which is provided to said customer by the compensation contract supporting system; and

a risk calculation unit for calculating a payment-amount-risk created by the compensation provided to said customer by the compensation contract supporting system using said contract database and said first condition or said second condition of said risk factors; wherein:

said ratio calculation unit calculates said ratio using said payment-amount-risk calculated by said risk calculation unit.

[c8] A compensation contract supporting system as claimed in claim 1, further comprising a risk factor acquiring unit which acquires information related to said customer from said customer, acquires said risk factors from said database, calculates a correlation between said information and said risk factors, selects the risk factors, an absolute value of said correlation of which is greater than a predetermined value, and outputs said selected risk factors to said first probability calculation unit.

[c9] A compensation contract supporting system that supports a compensation contract which provides a customer compensation for a profit risk created by a risk factor that influences a profit of said customer, comprising:

- a factor statistics database for storing statistical data of said risk factor;
- a financial statistics database for storing statistical data of a fluctuation in price of a financial product;
- a first probability calculation unit for calculating a probability, in which said risk factor satisfies a predetermined first condition, and a probability, in which said price of said financial product satisfies a predetermined second condition, and said first condition being a non-financial condition that is not related to said financial product; and
- a ratio calculation unit for calculating a ratio between a first compensation amount to be paid or received by said customer when said risk factor satisfies said first condition and a second compensation amount to be paid or received by said customer when said price of said financial product satisfies said second condition using said probability calculated by said first probability calculation

unit.

[c10] A compensation contract supporting system as claimed in claim 9, wherein said first compensation amount is an amount to be paid to said customer when said risk factor satisfies said first condition, and said second compensation amount is an amount to be received from said customer when said price of said financial product satisfies said second condition.

[c11] A compensation contract supporting system as claimed in claim 9, further comprising:  
a correlation calculation unit for calculating a correlation between said price of said financial product and said risk factor using said financial statistics database and said factor statistics database; wherein:  
said ratio calculation unit calculates a ratio between said first compensation amount and said second compensation amount using said probability calculated by said first probability calculation unit and said correlation calculated by said correlation calculation unit.

[c12] A compensation contract supporting system as claimed in claim 9, further comprising:  
a second probability calculation unit for calculating a probability in which said first condition, which is to be a base for calculating said first compensation amount, and said second condition, which is to be a base for calculating said second compensation amount, are satisfied at the same time; wherein:  
said ratio calculation unit calculates said ratio further using said probability calculated by said second probability calculation unit.

[c13] A compensation contract supporting system as claimed in claim 9, further comprising:  
an amount acquiring unit for acquiring any two of said first compensation amount, said second compensation amount, and a prepaid amount, which are requested by said customer, said prepaid amount being an amount to be previously received from said customer or to be previously paid to said customer to cover a difference between a risk created by said first compensation amount and a risk created by said second compensation amount;

and

an amount calculation unit for calculating remaining one of said first compensation amount, said second compensation amount, and said prepaid amount using said any two of said first compensation amount, said second compensation amount, and said prepaid amount acquired by said amount acquiring unit, and said ratio calculated by said ratio calculation unit.

[c14] A compensation contract supporting system as claimed in claim 9, further comprising:

a contract database for storing data related to said compensation, which is provided to said customer by the compensation contract supporting system; and

a risk calculation unit for calculating a payment-amount-risk involved in a contract, which is concluded via said compensation contract supporting system, using a present value of said risk factor and said contract database.

[c15] A compensation contract supporting system as claimed in claim 9, further comprising:

a contract database for storing data related to said compensation, which is provided to said customer by the compensation contract supporting system; and

a risk calculation unit for calculating a payment-amount-risk created by the compensation provided to said customer by the compensation contract supporting system using said contract database, and said first condition and said second condition of said risk factor and said price of said financial product; wherein:

said ratio calculation unit calculates said ratio using said payment-amount-risk calculated by said risk calculation unit.

[c16] A compensation contract supporting system as claimed in claim 9, further comprising a risk factor acquiring unit which acquires information related to said customer from said customer, acquires said risk factors from said factor statistics database, calculates a correlation between said information and said risk factors, selects the risk factors, an absolute value of said correlation of

which is greater than a predetermined value, and outputs said selected risk factors to said first probability calculation unit.

[c17] A method for supporting a compensation contract that provides a customer compensation for a profit risk created by a plurality of risk factors that influence a profit of said customer, comprising:

managing statistical data of said plurality of risk factors;

calculating a probability, in which a part of said plurality of said risk factors satisfy a predetermined first condition ,and a probability, in which remaining said plurality of said risk factors satisfy a predetermined second condition, and at least one of said first condition and said second condition being a non-financial condition that is not related to a financial product;

calculating a ratio between a first compensation amount to be paid or received by said customer when said part of said risk factors satisfy said first condition and a second compensation amount to be paid or received by said customer when remaining of risk factors satisfy said second condition using said calculated probability;

acquiring any two of said first compensation amount, said second compensation amount, and a prepaid amount, which are requested by said customer, said prepaid amount being an amount to be previously received from said customer or to be previously paid to said customer to cover a difference between a risk created by said first compensation amount and a risk created by said second compensation amount; and

calculating remaining one of said first compensation amount, said second compensation amount, and said prepaid amount using said any two of said first compensation amount, said second compensation amount, and said prepaid amount, and said calculated ratio.

[c18] A method for supporting a compensation contract that provides a customer compensation for a profit risk created by a risk factor that influences a profit of said customer, comprising:

managing statistical data of said risk factor and a fluctuation in price of a financial product;

calculating a probability, in which said risk factor satisfies a predetermined first

condition, and a probability, in which said price of said financial product satisfies a predetermined second condition, and said first condition being a non-financial condition that is not related to said financial product; calculating a ratio between a first compensation amount to be paid or received by said customer when said risk factor satisfies said first condition and a second compensation amount to be paid or received by said customer when said price of said financial product satisfies said second condition using said calculated probability; acquiring any two of said first compensation amount, said second compensation amount, and a prepaid amount, which are requested by said customer, said prepaid amount being an amount to be previously received from said customer or to be previously paid to said customer to cover a difference between a risk created by said first compensation amount and a risk created by said second compensation amount; and calculating remaining one of said first compensation amount, said second compensation amount, and said prepaid amount using said any two of said first compensation amount, said second compensation amount, and said prepaid amount, and said calculated ratio.

[c19]

A program for calculating compensation for a fluctuation in a profit created by a plurality of risk factors that influence said profit of said customer, comprising: a first probability calculation module for calculating a probability, in which a part of said plurality of said risk factors satisfy a predetermined first condition, and a probability, in which remaining said plurality of risk factors satisfy a predetermined second condition, using a database for storing statistical data of said plurality of risk factors, and at least one of said first condition and said second condition being a non-financial condition that is not related to a financial product; and a ratio calculation module for calculating a ratio between a first compensation amount to be paid or received by said customer when said part of said risk factors satisfy said first condition, and a second compensation amount to be paid or received by said customer when said remaining risk factors satisfy said second condition using said probability calculated by said first probability

calculation module.

[c20] A program for calculating compensation for a fluctuation in profit created by a risk factor that influences a profit of said customer, comprising:  
a first probability calculation module for calculating a probability, in which said risk factor satisfies a predetermined first condition, using a factor statistics database for storing statistical data of said risk factor and a probability, in which a price of a financial product satisfies a predetermined second condition, using a financial statistics database for storing statistical data of said fluctuation in price of said financial product, and said first condition being a non-financial condition that is not related to said financial product; and  
a ratio calculation module for calculating a ratio between a first compensation amount to be paid or received by said customer when said risk factor satisfies said first condition and a second compensation amount to be paid or received by said customer when said price of said financial product satisfies said second condition using said probability calculated by said first probability calculation module.